

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Francois SCHMIDT; Pierre EYNARD; Bernard MAURIN; Christian GAUTHIER

Application No.: U.S. National Stage of
PCT/FR00/01660

Filed: December 3, 2001

Docket No.: 111252

For: DEVICE FOR INSTANTANEOUSLY ANALYZING THE SHOT BY SHOT
INJECTION DELIVERY SUPPLIED BY AN INJECTION SYSTEM USED IN A
COMBUSTION ENGINE

PRELIMINARY AMENDMENT

Director of the U.S. Patent and Trademark Office
Washington, D. C. 20231

Sir:

Prior to initial examination and after entry of the Annex to the IPER, please amend
the above-identified application as follows:

IN THE CLAIMS:

Please replace claims 3-7, 11 as follows:

3. (Amended) The measuring device as claimed in claim 1, characterized in that the
means of draining the first measuring chamber (8) comprise a back-pressure regulator (34).

4. (Amended) The measuring device as claimed in claim 1, characterized in that the
means of draining the second measuring chamber (20) comprise a back-pressure regulator
(54) intended to keep the pressure in the second chamber at a reference value.

5. (Amended) The measuring device as claimed in claim 1, characterized in that the
piston (38) is preloaded by a spring (44) urging it toward the second measuring chamber (20).

6. (Amended) The measuring device as claimed in claim 1, characterized in that the
piston (38) moves in a smooth-walled cylinder (36) and in that it comprises an annular
groove (56) open toward the wall of the cylinder (36).

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